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**ABSTRACT**

**[SUMMARY]**

**[OBJECT]**

An object of this invention is to reduce the manufacturing cost simplifying a reel rotation detecting mechanism in a video cassette deck.

**[CONSTRUCTION]**

A light emitting element 61 and a light receiving element 62 are engaged on a main substrate 30 provided under a deck chassis 20. On the deck chassis 20 is mounted a light guiding member 63 comprised of a pillar portion 63a extending through the deck chassis 20 and a branch portion 63b extending sideways from the pillar portion 63a. In order to detect the loading and trailing ends of the magnetic tape, the pillar portion 63a guides the light coming from the light emitting element into the cassette set into the deck. The branch portion 63b, above the deck chassis 20, guides one portion of the light incident to the pillar portion 63a to the reel 10 on the deck chassis 20.

The rotation of the reel 10 is detected by receiving the light with the light receiving element 62 on the main substrate 30 through the opening portion 11 provided in the reel 10 and the opening 21 provided in the deck chassis 20.

**[SELECTION VIEW] Fig. 1**